

Claims

[c1] WHAT IS CLAIMED IS:

1. An optical projection module, comprising:
a front optical module;
a rear optical module, located at one end of the front optical module; and
an adjustment member, mounted between the front optical module and the rear optical module for adjusting a relative position of the front and rear optical modules.

[c2] 2. The optical projection module of claim 1, wherein a first end of the adjustment member is pivotally mounted to the front optical module, and a second end is screwed to the rear optical module.

[c3] 3. The optical projection module of claim 1, wherein the front optical module includes a light valve and a projection lens.

[c4] 4. The optical projection module of claim 1, wherein the rear optical module includes a light module, an integrated rod and a color wheel.

[c5] 5. The optical projection module of claim 4, wherein the color wheel includes red, green and blue color filters ar-

ranged in helix.

- [c6] 6. The optical projection module of claim 1, wherein the front optical module further includes a light valve, and the rear optical module further includes a light module to provide light beams, the light beams being clearly projected on the light valve by adjusting the relative position of the front optical module and rear optical module using the adjustment member.
- [c7] 7. The optical projection module of claim 1, wherein the adjustment member is a hollow cylinder.
- [c8] 8. The optical projection module of claim 1, wherein the front and rear optical modules respectively have a cylindrical end at corresponding locations.
- [c9] 9. The optical projection module of claim 1, wherein the front optical module and the adjustment member respectively have an annular groove at corresponding locations, and a plurality of screw holes being formed along an outer periphery of the adjustment member, thereby with screwing fasteners engaging the screw holes, one end of the adjustment member is pivotally mounted in the annular groove.
- [c10] 10. The optical projection module of claim 1, wherein the rear optical module has outer threads at one end

thereof, and the adjustment member has inner threads matching the outer threads of the rear optical module.